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(54) Title: RICE CONFERRING RESISTANCE TO ENVIRONMENTAL STRESS BY TARGETING MnSOD TO THE CHLOROPLAST

(57) Abstract: The present invention relates to the over expression of MnSOD in the Chloroplast which is the site of production of reactive oxygen species and provides the means and wherewithal of cultivating crops in areas where it would not otherwise grow normally on account of environmental stress conditions inclusive of high and low temperature, salinity, drought and ultra violet light, is resistant to herbicides thereby resulting in an increase in yield and also improved crop quality.

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